



# State of Louisiana

## Department of Environmental Quality



KATHLEEN BABINEAUX BLANCO  
GOVERNOR

MIKE D. McDANIEL, Ph.D.  
SECRETARY

Certified Mail No.

Agency Interest No. 1376  
Activity No.: PER19960005

Mr. J. A. Stroink  
Refinery Manager  
Chalmette Refining, L.L.C.  
Post Office Box 1007  
Chalmette, Louisiana 70044

RE: Part 70 Initial Operating permit, No. 2 Crude/Coker Units, Chalmette Refinery,  
Chalmette Refining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Stroink:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

Permit No.: 2933-V0

Sincerely,

Fw PBL Ntfile

Chuck Carr Brown, Ph.D.  
Assistant Secretary  
SGQ  
cc: EPA Region VI

OFFICE OF ENVIRONMENTAL SERVICES • P.O. BOX 4313 • BATON ROUGE, LOUISIANA 70821-4313

AN EQUAL OPPORTUNITY EMPLOYER



**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**CHALMETTE REFINING, L.L.C / CHALMETTE REFINERY**  
**NO. 2 CRUDE/COKER UNITS AND WASTEWATER TREATMENT PLANT**

**PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT ON**  
**PROPOSED INITIAL PART 70 AIR OPERATING PERMITS**  
**AND THE ASSOCIATED ENVIRONMENTAL ASSESSMENT STATEMENT (EAS)**

**Due to the situation in St. Bernard Parish after the hurricanes and to assure a better opportunity for the public to attend a public hearing, LDEQ will hold the public hearing twice to receive comments regarding the proposed permits for Chalmette Refinery.**

**The first hearing will be held on January 10, 2006 in Chalmette, LA, St. Bernard Parish.  
The second hearing will be held on January 12, 2006 in Baton Rouge, LA.**

**All the pertinent details for the public hearing are outlined in the following public notice.**

The LDEQ, Office of Environmental Services, will conduct two public hearings to receive comments on the proposed initial Part 70 air operating permits and the associated Environmental Assessment Statement (EAS) for Chalmette Refining, L.L.C, P. O. Box 1007, Chalmette, Louisiana 70044 for its No. 2 Crude/Coker Units and the Wastewater Treatment Plant. **The facilities are located at 500 W St. Bernard Hwy, on the left descending bank of the Mississippi River at Mile 89 above Head-of-Passes in Chalmette, St. Bernard Parish.**

**Each hearing will begin at 6:00 p.m., on the following dates at the specified locations:**

**Tuesday, January 10, 2006**  
**St. Bernard Parish Council Meeting Room, 8201 West Judge Perez Drive, Chalmette, LA**

**Thursday, January 12, 2006**  
**LDEQ Galvez Building Conference Center, Natchez Room**  
**602 North 5<sup>th</sup> Street, Baton Rouge, LA**

Free parking will be available at the Galvez Garage facing the Galvez building on North Street. Garage tickets for the meeting & hearing attendees will be validated by DEQ for the free parking.

During the hearing, all interested persons will have an opportunity to comment on the proposed permits.

Chalmette Refining, LLC, is a joint venture between ExxonMobil Corporation and Petroleos de Venezuela, the Venezuelan National Oil Company. Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates and sulfur recovery as well as by-products such as petroleum coke and LPG.

Chalmette Refining, L.L.C proposes to bring the No. 2 Crude/Coker Units and the Wastewater Treatment Plant under Part 70 air permitting requirements. The No. 2 Crude/Coker Units currently operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988; other permit nos. 2822-V0 dated January 29, 2003; 2226(M-3) dated November 27, 1996 and 2621 dated August 10, 1999. The Wastewater Treatment Plant currently operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988; other permit nos. 2226(M-3) dated November 27, 1996; and 2822 dated January 29, 2003.

### No. 2 Crude/Coker Units

The facility proposes to increase the throughput on Crude Unit from 95,000 to 100,000 barrels per day and on the Coker Unit from 25,000 to 30,000 barrels per day. To achieve this goal and minimize the impact the facility will modify the units as follows: 1) Install low NO<sub>x</sub> burners on No. 2 Crude Gas Oil Heater F-7410, maintaining the current capacity and replace existing forced and induced draft fans on this heater; 2) Install low NO<sub>x</sub> burners on No. 2 Coker Heater F-8101 and re-rate heater capacity to meet demands and replace air preheater V-9817 with a larger unit and replace induced and forced draft fans; 3) Install three way catalyst on No. 2 Coker diesel fired air compressor engine; 4) Replace aero assembly and rotor on Wet Gas Compressor D-8101; 5) Install a separator and condenser; 6) Other associated updates and replacements.

Permitted emissions from the No. 2 Crude/Coker Units in tons per year are as follows:

Pollutant	Emission
PM <sub>10</sub>	26.05
SO <sub>2</sub>	60.96
NO <sub>x</sub>	154.60
CO	130.31
VOC	308.76

### Wastewater Treatment Plant

Permit No. 2822 was issued to allow the facility to replace the existing biological reactor lagoons (BRLs) with an Above Ground Integrated BIOX System. The facility is proposing "as built" changes to the approved project in Permit No. 2822. The changes are as follows: 1) The project start up is expected to be in the fourth quarter of 2005; 2) The cooling tower physical design has been scaled down from six cells to five cells; 3) Sump No. 1 will not be modified as planned instead a 6,000 gpm electric driven pump will be installed at the API separator; 4) Tank 1009 will be utilized as an equalization tank or the IAF's will be operated in series; 5) New Tank D-3721 will now have an external floating roof instead of an open top; 6) Clearwell effluent pump capacity will be changed to 3,600 gpm from 3,300 gpm; and 7) The Power Distribution Center (PDC) and the Environmental Monitoring Center (EMC) design have been altered with no effect on emissions.

Permitted emissions from the Wastewater Treatment Plant in tons per year are as follows:

Pollutant	Emission
PM <sub>10</sub>	0.19
SO <sub>2</sub>	0.01
NO <sub>x</sub>	25.33
CO	11.07
VOC	252.55

These are the initial Part 70 air operating permits for the units and the plant. An Administrative Order dated May 25, 2005 was issued for interim emissions limits.

The EAS submitted by the applicant addresses avoidance of potential and real environmental effects, balancing of social and economic benefits against environmental impact costs, and alternative sites, projects, and mitigative measures.

Written comments or written requests for notification of the final permit decision regarding these permits and the EAS may also be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, January 16, 2006.** Written comments will be considered prior to a final permit decision.

LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The initial Part 70 air operating permit applications, proposed initial Part 70 air operating permits, EAS (also known as Environmental Impact Questions) and statements of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the following locations: St. Bernard Parish Council Office, 8201 West Judge Perez Drive, Chalmette, LA, Plaquemines Parish Library, Belle Chasse Branch, 8442 Highway 23, Belle Chasse, LA, New Orleans Public Library, Headquarters, 219 Loyola Avenue, New Orleans, LA, East Baton Rouge Parish Library, Headquarters, 7711 Goodwood Boulevard, Baton Rouge, LA, LDEQ Southeast Regional Office Mandeville, 645 N. Lotus Drive, Suite C, Mandeville LA and Bayou Lafourche Regional Office, 110 Barataria Street, Lockport, LA.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Ms. Barbara Mason, Public Participation Group, at the above address or by phone at (225) 219-3280.

Inquiries or requests for additional information regarding this permit action should be directed to Mr. Syed Quadri, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3123.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at [maillistrequest@ldeq.org](mailto:maillistrequest@ldeq.org).

Permit public notices can be viewed on the LDEQ Permits public Web page at [WWW.deq.state.la.us/news/PubNotice/](http://www.deq.state.la.us/news/PubNotice/).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.state.la.us/ldbc/listservpage/ldeq\\_pn\\_listserv.htm](http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify:**

**No. 2 Crude/Coker Units - AI Number 1376 / Permit Number 2933-V0 / PER19960005**

**Wastewater Treatment Plant - AI Number 1376 / Permit Number 2822-V0 / PER19960006**

This notice is being published in the following newspapers: The St. Bernard Voice, The Advocate, The Times Picayune and Plaquemine Gazette.

**Publication dates: November 25, 2005 & December 9, 2005**

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS**  
**AGENCY INTEREST NO. 1376**  
**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY**  
**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**I. Background**

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988. Other Permit Nos. 2226(M-3), 11/27/1996; 2621, 8/10/1999; and PSD-LA-199(M-4), 10/11/1993 were also issued in the past. Other permits were also issued since 1988. This permit deals with the No. 2 Crude/Coker Units.

**II. Origin**

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) submitted on October 14, 1996 and updated submittal dated June 23, 2005 for the No. 2 Crude/Coker Units equipment only. Additional information dated July 8, and September 14, 2005 was also received.

**III. Description**

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates, and sulfur recovery as well as by-products such as petroleum coke and LPG.

The No. 2 Crude Unit (CR2) processes feed stocks into finished products and several by-products that require further processing or treatment. After crude enters the unit, water, salt and other impurities are removed in the desalters. The crude is then heated and processed in a series of distillation columns. There, the feed is separated by boiling point into overhead gases, naphtha, distillates, and residuum.

The No. 2 Coker Unit (CK2) processes residuum into coke and several other by-products that require further processing or treatment. The feed is heated in the furnace and put into coke drums where cracking reactions convert the feed into coke and other products that are separated by boiling point in the fractionator. The coke is drilled out of the drums in a batch operation.

CRLLC proposes to increase the throughput on CR2 from 95,000 to 100,000 barrels per day and increase throughput on CK2 from 25,000 to 30,000 barrels per day. To achieve

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS**  
**AGENCY INTEREST NO. 1376**  
**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY**  
**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

this goal new equipment will be installed and existing equipment will be modified and /or affected. The following equipment will be physically modified: No. 2 Crude/Coker Heaters F-7401, F-7410, and F-8101; the No. 2 Coker diesel fired air compressor engine, vessels, tanks, towers, and fugitive components. These modifications will commence after issuance of this permit and will also coincide with the upcoming turnaround scheduled in 2006 and some may be undertaken before the turnaround.

The proposed modifications/changes (project) to equipment are as follows:

- a) Install low NO<sub>x</sub> burners on No. 2 Crude Gas Oil Heater F-7410, maintaining current capacity; replace existing forced and induced draft fans on this heater;
- b) Install low NO<sub>x</sub> burners on No. 2 Coker Heater F-8101 and re-rate heater capacity to meet demands; replace air preheater V-8197 with a larger unit and replace induced and forced draft fans;
- c) Install low emission engine on No. 2 Coker diesel fired air compressor K-8104;
- d) Replace aero assembly and rotor on Wet Gas Compressor K-8101;
- e) Replace/Install/Upgrade exchangers and pumps, and make tower modifications;
- f) Install a new separator and condenser;
- g) Install/Modify fugitive components; and
- h) Replace/Upgrade instrumentation.

The following equipment will be affected by the project but will not be physically modified:

- a) No. 2 Crude Vacuum Charge Heater F-7601;
- b) Ancillary equipment (chemical tanks, coke handling, etc.) in No. 2 CR/CK;
- c) Boilers;
- d) Sulfur Recovery Units;
- e) Tanks; and
- f) Loading

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS**  
**AGENCY INTEREST NO. 1376**  
**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY**  
**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

The project related emissions increase for all sources modified as part of the No. 2 Crude/Coker were calculated based on the baseline (lower of the past two years actual emissions or permitted emissions) to the new permitted (proposed) emissions. The other emissions affected by the project which are not being modified were calculated on the incremental increase due to the project. The emission changes due to the project in tons per year are as follows:

<u>Pollutant</u>	<u>Project Increase</u>	<u>PSD</u>	
		<u>Significance Threshold</u>	<u>Netting Required</u>
PM <sub>10</sub>	13.40	15	No
SO <sub>2</sub>	38.90	40	No
NO <sub>x</sub>	34.00	40	No
CO	91.20	100	No
VOC	38.20	40	No

The criteria pollutant emission increases due the project are less than the Prevention of Significant Deterioration (PSD) significance threshold, therefore PSD review is not required.

The following modification/changes are not related to the project (increase in throughput):

- a) Install low NOx burners on the No. 2 Crude Atmospheric Heater F-7401, maintaining current capacity; replace several tubes in heater with larger diameter tubes;

The Fluid Catalytic Cracking Unit (FCCU), Cat. Feed Hydrotreater (CFHT), and the Hydrodesulfurization Unit (HDS) will not be affected by this project. The FCCU currently operates at full capacity with purchased feedstock. This project will reduce the amount of purchased feedstock. Similarly, there will not be any increase at the CFHT and HDS.

Permitted emissions from the No. 2 Crude/Coker Units in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	23.14
SO <sub>2</sub>	60.52
NO <sub>x</sub>	159.20
CO	136.05
VOC	309.48

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**IV. Type of Review**

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMI HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j) for 40 CFR 63, Subpart DDDDD and have also submitted the initial notification as per the requirements of 40 CFR 63.9(b).

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on October \*\*, 2005. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on October \*\*, 2005. The proposed permit was sent to EPA via e-mail on October \*\*, 2005.

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS**  
**AGENCY INTEREST NO. 1376**  
**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY**  
**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**VII. Effects on Ambient Air**

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ )	Louisiana Air Quality Standard (NAAQS) ( $\mu\text{g}/\text{m}^3$ )
None			

**VIII. General Condition XVII Activities**

Equipment Maintenance/Preparation and Routine Activities	11000 events/yr
	VOC 2.80 tons/yr
	PM <sub>10</sub> 1.30 tons/yr
Planned Startup/Shutdown and Turnaround Activities	500 events/yr
	VOC 1.80 tons/yr

**IX. Insignificant Activities**

ID No.:	Description	Citation
-	Unit Tanks (Less than 250 gal, <3.5 psia)	LAC 33:III.501.B.5.A.2
-	Unit Tanks (Less than 10,000 gal, <0.5 psia)	LAC 33:III.501.B.A.3
-	Process Stream Analyzer Emission	LAC 33:III.501.B.5.A.9

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141	17	29*	51*	52	56	59
EQT028	37, Crude No. 2 Atmospheric Heater (F-7401)	1	1	1	1													2	
EQT029	43, No. Crude Vacuum Heater (F-7601)	1	1	1	1													2	
EQT030	60, No. 2 Coker Heater (F-8101)	1	1	1	1													2	
EQT031	65, No. 2 Crude Gas Oil Heater (F-7410)	1	1	1	1													2	
EQT032	83b, No. 2 Coker Coke Handling/Loading	1												2			1		
EQT033	C-7654, No. 2 Crude Spent Caustic Vessel Vent					1							2			1			
EQT034	K-8104, No. 2 Coker Compressor Diesel Engine			1	1	2											2		
EQT035	TK-003-17, Chemical Tank 003-17						1										1		
EQT36	TK-003-22, Chemical Tank 003-22							2									1		
EQT037	TK-023-08, Chemical Tank 023-08							2									1		
EQT038	TK-023-12, Chemical Tank 023-12								2								1		
EQT039	TK-174-19, Chemical Tank 174-19									2							1		
EQT040	TK-8101, No. 2 Coker Cutting Water Tank										2						1		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter															
		5	9	11	13	15	2103	2111	2113	2121	2139	2141	17	29*	51*	52	56
EQT041	TK-8103, No. 2 Coker Feed Tank					1										1	
EQT042	TK-ChemCK2, Chemical Tank CK2					2										1	
FE-CRCK2, No. 2 Crude/Coker								1								1	
FUG003	Fugitives															1	
GRP024	Crude/Coker No. 2 Units	1	1	1	1			1			1	1	1	1	1	1	1

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
    - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
  - 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
  - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
Blank - The regulations clearly do not apply to this type of emission source.
- \* The regulations indicated above are State Only regulations except for LAC 33:III.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	Db	Dc	J	Kb	VV	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	4Zs	5Ds	68	82			
EQT028	37, Crude No. 2 Atmospheric Heater (F-43, No. Crude Vacuum Heater)										1															
EQT029	60, No. 2 Coker Heater (F-8101)										1															
EQT030	65, No. 2 Crude Gas Oil Heater										1															
EQT031	83b, No. 2 Coker Coke Handling/Loading																									
EQT032	C-7654, No. 2 Crude Spent Caustic Vessel																									
EQT033	K-8104, No. 2 Coker Compressor Diesel Engine																									
EQT034	TK-003-17, Chemical Tank 003-17																									
EQT035	TK-003-22, Chemical Tank 003-22																									
EQT36	TK-023-08, Chemical Tank 023-08																									
EQT037	TK-023-12, Chemical Tank 023-12																									
EQT038																										

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61										40 CFR							
		A	Db	Dc	J	Kb	VV	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	4Zs	5Ds	68	82						
EQT039	TK-174-19, Chemical Tank 174-19					2				2																			
EQT040	TK-8101, No. 2 Coker Cutting Water Tank					2				1/2																			
EQT041	TK-8103, No. 2 Coker Feed Tank				1					1/2																			
EQT042	TK-ChemCK2, Chemical Tank CK2				2					2																			
FUG003	FE-CRCK2, No. 2 Crude/Coker Fugitives					1				1/2	2		2																
GRP024	Crude/Coker No. 2 Units	1									1	1	1	1	1	1	1	1	2	2					1	1			

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.  
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
Blank - The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
Crude/Coker No. 2 Units	NESHAP, Subparts F, G, and H	Does not apply	40 CFR 63.100(j)(2)	Units in Petroleum Refining facility and not SOCMU Units
EQT028, EQT029, EQT030 EQT031 Crude/Coker Heaters 37, 43, 60, 65	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas and refinery fuel gas
EQT032 No. 2 Coker Coke Handling 83b	NESHAP, Subpart DDDDD – Boilers and Process Heaters	Does not apply	40 CFR 63.7506(b)	The facility has submitted the initial notification on March 10, 2005 as requirement of 40 CFR 63.9(b)
EQT033 No. 2 Crude Spent Caustic Vessel Vent C-7654	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
EWT034 No. 2 Coker Compressor diesel Engine K-8104	NSPS, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Does not meet the definition of a process vent
EQT035 Chemical Tanks TK-003-17	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.101	Does not burn any refinery fuel gas or process gas
	NESHAP, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines	Does not apply	40 CFR 63.6590(a)	Engine has a capacity less than the threshold
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT035 Chemical Tanks TK-003-17 (Continued)	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690(a)	Based on date of construction
EQT36 thru EQT39 Storage Tanks TK-00-122, TK-023-08, TK-023-12, TK-174-19	Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor Pressure less than the threshold
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690(a)	Based on date of construction
EQT040 Cutting Water Tank TK-8101	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.
EQT041 No. 2 Coker Feed Tank TK-8103	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 2 CRUDE/COKER UNITS  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT042 Chemical Tank TK-ChemCK2	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33.III.2103	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NISPS, Subpart Kb – Standards for Performance for Volatile Organic Liquid Storage Vessels	Does not apply	40 CFR 60.110b(b)	Constructed before June 11, 1973
	NISPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690	Not an affected source.
FUG003 No. 2 Crude/Coker Fugitives FE-CRCK2	NESHAP, Subpart CC – Petroleum Refineries, Miscellaneous Process Vents	Does not apply	40 CFR 63.641	Based on capacity
	NISPS, Subpart VV – New Source Performance Standard for Equipment Leaks of VOC in SOCMI	Does not apply	40 CFR 60.480	Not a SOCMI facility
	NISPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.
	NESHAP, Subpart J – National Emission Standard for Equipment Leaks of Benzene	Does not apply	40 CFR 61.110(a)	Not in benzene service
	NESHAP, Subpart V – Equipment Leaks of VHAP	Does not apply	40 CFR 61.240(a)	Process units do not have streams that contains greater than 10% by wt of VHAP
				The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.  
[LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## 40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a

## 40 CFR PART 70 GENERAL CONDITIONS

written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## **40 CFR PART 70 GENERAL CONDITIONS**

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 14, 1996, and updated submittal dated June 23, 2005 for the No. 2 Crude/Coker Units equipment only. Additional information dated July 8, and September 14, 2005 was also received.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1376 Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
 Activity Number: PER19960005  
 Permit Number: 2933-V0  
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2500-00005	Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery	CDS Number	05-27-1993
	2500-0005	Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery	Emission Inventory	03-03-2004
13-5401570	LAD008-179707	Mobil Oil Corp	Federal Tax ID	08-07-2002
PMT/CA		Chalmette Refining LLC	Hazardous Waste Notification	10-22-2002
00597		GPRa Baselines	Hazardous Waste Permitting	10-01-1997
LA0004260		Chalmette Refining	Inactive & Abandoned Sites	11-23-1999
WP0569		WPC File Number	LPDES Permit #	05-22-2003
WP3391		WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2247-L01		Radioactive Material License	Radiation License Number	01-19-1999
6264		X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-087-1774		Mobil Oil Corp	Solid Waste	01-08-2002
GD-087-1774		Site ID #	Solid Waste Facility No.	11-21-1999
19637		Exxon Co USA - Chalmette Terminal	TEMPO Merge	04-24-2001
36173		Mobil Oil Corp	TEMPO Merge	04-26-2001
38796		Chalmette Refining LLC - ExxonMobil Oil Corp	TEMPO Merge	12-16-2003
44916		Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	05-22-2001
45047		Chalmette Refining LLC - A Delaware Ltd Liability Co	TEMPO Merge	03-28-2001
47202		Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	10-02-2001
2500-0005		Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70143TNCL500WE		TRI#	Toxic Release Inventory	07-09-2004
01-269		Motor Fuel Delivery Certificate #	Underground Storage Tanks	08-07-2002
44015380		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002
			Main FAX:	5042811365
			Main Phone:	5042811589

Physical Location:

PO Box 1007  
 Chalmette, LA 70044-1007

Mailing Address:

500 W St Bernard Hwy  
 Chalmette, LA 70043

Related People:

Chris Daigle  
 Loretta Faustisch  
 Loretta Faustisch

Name

Phone (Type)

Relationship

Radiation Safety Officer for  
 Solid Waste Billing Party for  
 Haz. Waste Billing Party for

**General Information**

AI ID: 1376 Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Claudine Gorman	PO Box 1007 Chalmette, LA 70044-1007	5042811989 (WP)	Air Permit Contact For
	Claudine Gorman	PO Box 1007 Chalmette, LA 70044-1007	5042811989 (WP)	Accident Prevention Contact for
	Craig Joseph	PO Box 1007 Chalmette, LA 70044-1007		Water Billing Party for
	Dana Kelly	PO Box 1007 Chalmette, LA 70044-1007		Radiation Contact For
	Cathy Mortier	PO Box 1007 Chalmette, LA 70044-1007	5042811544 (WP)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chalmette Refining LLC.	500 West St Bernard Hwy Chalmette, LA 70043		Owns
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 70044-1007		Air Billing Party for
	Chalmette Refining LLC - ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 70044-1007		Radiation License Billing Party for
	Chalmette Refining LLC - ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 70044-1007		Radiation Registration Billing Party for
	Mobil Oil Corp	500 W St Bernard Hwy Chalmette, LA 70044	5049421364 (WP)	UST Billing Party for

## INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
 Activity Number: PER19960005  
 Permit Number: 2933-V0  
 Air - Title V Regular Permit Initial

### Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT028	37. Crude No. 2 Atmospheric Heater (F-7401)	210 MM BTU/hr	190 MM BTU/hr	190 MM BTU/hr		8760 hr/yr (All Year)
EQT029	43. No. 2 Crude Vacuum Heater (F-7601)	110 MM BTU/hr	84 MM BTU/hr	84 MM BTU/hr		8760 hr/yr (All Year)
EQT030	60. No. 2 Coker Heater (F-8101)	210 MM BTU/hr	200 MM BTU/hr	200 MM BTU/hr		8760 hr/yr (All Year)
EQT031	65. No. 2 Crude Gas Oil Heater (F-7410)	185 MM BTU/hr	175 MM BTU/hr	175 MM BTU/hr		8760 hr/yr (All Year)
EQT032	83b. No. 2 Coker Coke Handling/Loading		728175 tons/yr	728175 tons/yr	Coke Production	8760 hr/yr (All Year)
EQT033	C-7654, No. 2 Crude Spent Caustic Vessel Vent		28069 gallons/yr	28069 gallons/yr		8760 hr/yr (All Year)
EQT034	K-8104, No. 2 Coker Compressor Diesel Engine		457 horsepower	457 horsepower		8760 hr/yr (All Year)
EQT035	TK-003-17, Chemical Tank 003-17	550 gallons				8760 hr/yr (All Year)
EQT036	TK-003-22, Chemical Tank 003-22	330 gallons				8760 hr/yr (All Year)
EQT037	TK-023-08, Chemical Tank 023-08	4000 gallons				8760 hr/yr (All Year)
EQT038	TK-023-12, Chemical Tank 023-12	550 gallons				8760 hr/yr (All Year)
EQT039	TK-174-19, Chemical Tank 174-19	2500 gallons				8760 hr/yr (All Year)
EQT040	TK-8101, No. 2 Coker Cutting Water Tank	424450 gallons				8760 hr/yr (All Year)
EQT041	TK-8103, No. 2 Coker Feed Tank	84000 gallons				8760 hr/yr (All Year)
EQT042	TK-ChemCK2, Chemical Tank CK2	3300 gallons				8760 hr/yr (All Year)
FUG003	FE-CRCK2, No. 2 Crude/Coker Fugitives					8760 hr/yr (All Year)

### Subject Item Groups:

ID	Description	Included Components (from Above)
GRP024	No. 2 Crude/Coker	EQT28 37. Crude No. 2 Atmospheric Heater (F-7401)
GRP024	No. 2 Crude/Coker	EQT29 43. No. 2 Crude Vacuum Heater (F-7601)
GRP024	No. 2 Crude/Coker	EQT30 60. No. 2 Coker Heater (F-8101)
GRP024	No. 2 Crude/Coker	EQT31 65. No. 2 Crude Gas Oil Heater (F-7410)
GRP024	No. 2 Crude/Coker	EQT32 83b. No. 2 Coker Coke Handling/Loading
GRP024	No. 2 Crude/Coker	EQT33 C-7654. No. 2 Crude Spent Caustic Vessel Vent
GRP024	No. 2 Crude/Coker	EQT34 K-8104. No. 2 Coker Compressor Diesel Engine
GRP024	No. 2 Crude/Coker	EQT35 TK-003-17. Chemical Tank 003-17
GRP024	No. 2 Crude/Coker	EQT36 TK-003-22. Chemical Tank 003-22
GRP024	No. 2 Crude/Coker	EQT37 TK-023-08. Chemical Tank 023-08
GRP024	No. 2 Crude/Coker	EQT38 TK-023-12. Chemical Tank 023-12
GRP024	No. 2 Crude/Coker	EQT39 TK-174-19. Chemical Tank 174-19
GRP024	No. 2 Crude/Coker	EQT40 TK-8101, No. 2 Coker Cutting Water Tank
GRP024	No. 2 Crude/Coker	EQT41 TK-8103, No. 2 Coker Feed Tank
GRP024	No. 2 Crude/Coker	EQT42 TK-ChemCK2. Chemical Tank CK2
GRP024	No. 2 Crude/Coker	FUG3 FE-CRCK2, No. 2 Crude/Coker Fugitives

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER199960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

**Stack Information:**

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT028	37, Crude No. 2 Atmospheric Heater (F-7401)	29.9	113694	9		180	728
EQT029	43, No. 2 Crude Vacuum Heater (F-7601)	31.5	58282	6		170	760
EQT030	60, No. 2 Coker Heater (F-8101)	53.8	96462	6		200	830
EQT031	65, No. 2 Crude Gas Oil Heater (F-7410)	4.4	92803	7		171	773
EQT034	K-8104, No. 2 Coker Compressor Diesel Engine	112.5	1284	1		8	400

**Fee Information:**

Sub Item Id	Multiplier	Units Of Measure	Fee Desc
GRP024	100	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Avg lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr
EQT 028 <sup>37</sup>	1.42	1.56		3.80	7.35		6.65	10.50		7.60	17.30		1.03	1.13	
EQT 029 <sup>43</sup>	0.63	0.82		1.68	3.85		7.93	12.62		3.36	9.06		0.45	0.59	
EQT 030 <sup>60</sup>	1.49	1.56		4.00	7.35		10.00	15.75		8.00	17.30		1.08	1.13	
EQT 031 <sup>65</sup>	1.27	1.38		3.40	6.48		8.50	13.88		6.80	15.24		0.92	1.00	
EQT 032 <sup>83B</sup>	0.37			0.19											
EQT 033 <sup>C-7654</sup>															
EQT 034 <sup>K-8104</sup>	0.11	0.15		0.75	1.00		3.27	4.36		1.98	2.62		0.36	0.48	
EQT 035 <sup>TK-903-17</sup>														0.002	
EQT 036 <sup>TK-003-22</sup>														0.002	
EQT 037 <sup>TK-023-08</sup>														0.06	
EQT 038 <sup>TK-023-12</sup>														0.001	
EQT 039 <sup>TK-174-19</sup>														0.01	
EQT 040 <sup>TK-8101</sup>														0.60	
EQT 041 <sup>TK-ChemCk2</sup>														0.19	
EQT 042 <sup>FUG 003 FE-CRCK2</sup>														0.005	
														65.94	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Phase Totals:

## EMISSION RATES FOR CRITERIA POLLUTANTS

A1 ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
Activity Number: PER19960005  
Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

PM10: 23.14 tons/yr  
SO2: 60.52 tons/yr  
NOx: 159.20 tons/yr  
CO: 136.05 tons/yr  
VOC: 309.48 tons/yr

Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
 Activity Number: PER19960005  
 Permit Number: 2933-V0  
 Air - Title V Regular Permit Initial

### All phases

Subject Item	Avg lb/hr	1,3-Butadiene	2,2,4-Trimethylpentane	Acetonitrile	Ammonia	Benzene	Biphenyl	Carbon disulfide	Chlorobenzene
EQT 032 83B					Avg lb/hr		Avg lb/hr		Avg lb/hr
EQT 033 C:7654	0.001				< 0.001		< 0.001		< 0.001
EQT 035 TK-003-17	0.001				0.001		0.001		
EQT 036 TK-003-22	0.001				0.001		0.001		
EQT 037 TK-023-08	0.001				0.001		0.001		
EQT 038 TK-023-12									
EQT 039 TK-174-19									
EQT 040 TK-8101	< 0.001				0.29	0.01	0.01		
EQT 041 TK-8103	0.001				0.13	0.006	< 0.001		< 0.001
EQT 042 TK-ChemCK2	< 0.001				< 0.001		< 0.001		
FUG 003 FE-CRCK2	0.014				0.008	< 0.001	0.30	0.05	< 0.001
								< 0.001	< 0.001

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
 Activity Number: PER19960005  
 Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Cresol	Cumene	Dichloromethane	Ethyl benzene	Hydrogen sulfide	Methanol	Methyl Tertiary Butyl Ether
	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr
EQT 032					0.08		
83B	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 033	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
C-764	0.001	0.001	0.001	0.001	0.001	0.001	0.001
EQT 035	0.001	0.001	0.001	0.001	0.001	0.001	0.001
TK-003-17	0.001	0.001	0.001	0.001	0.001	0.001	0.001
EQT 036	0.001	0.001	0.001	0.001	0.001	0.001	0.001
TK-003-22	0.001	0.001	0.001	0.001	0.001	0.001	0.001
EQT 037	0.001	0.001	0.001	0.001	0.001	0.001	0.001
TK-023-08							
EQT 038							
TK-023-12							
EQT 039							
TK-174-19							
EQT 040	0.004	0.003	0.001	0.01	0.11	0.001	0.001
TK-8101							
EQT 041	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.001
TK-8103	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 042	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TK-ChemCK2							
FUG 003	0.03	0.05	0.29	0.61	0.23	0.003	
FE-CRCK2							

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Methyl ethyl ketone	Methyl isobutyl ketone	Naphthalene (and compon ents)	Nickel (and compo unds)	Phenol	Phosphorus	Polyaromatic Hydrocarbons	Quinoline
	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr
EQT 032 83B								
EQT 033 C-7654			< 0.001				< 0.001	< 0.001
EQT 035 TK-003-17			0.001				0.001	0.001
EQT 036 TK-003-22			0.001				0.001	0.001
EQT 037 TK-023-06			0.001				0.001	0.001
EQT 038 TK-023-12								
EQT 039 TK-174-19								
EQT 040 TK-8101	0.01		0.04		0.01		0.01	
EQT 041 TK-8103			< 0.001				< 0.001	< 0.001
EQT 042 TK-Chem-K2			< 0.001				< 0.001	< 0.001
FUG 003 FE-CRCK2	0.03	< 0.001	0.13	< 0.001	0.04	< 0.001	< 0.001	< 0.001

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	Quinoline	Styrene	Sulfuric acid	Tetrachloroethylene	Toluene	Trichloroethylene	Xylene (mixed isomers)	Zinc (and compounds)
	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr	Avg lb/hr
EQT 032 83B								
EQT 033 C-7654					< 0.001		< 0.001	
EQT 035 TK-003-17	0.001				0.001		0.001	
EQT 036 TK-003-22	0.001				0.001		0.001	
EQT 037 TK-023-98	0.001				0.001		0.001	
EQT 038 TK-023-12								
EQT 039 TK-174-19								
EQT 040 TK-8101					0.11		0.09	
EQT 041 TK-8103	< 0.001		< 0.001		0.003		0.004	
EQT 042 TK-ChemCK2	< 0.001		< 0.001		< 0.001		< 0.001	
FUG 003 FE-CRCK2	0.02	0.003	< 0.001	0.91	< 0.001	0.000	1.19	< 0.001

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
 Activity Number: PER19960005  
 Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### All phases

n-Hexane	
Subject Item	Avg lb/hr
EQT 032 83B	
EQT 033 C-7654	< 0.001
EQT 035 TK-003-17	0.001
EQT 036 TK-003-22	0.001
EQT 037 TK-023-08	0.001
EQT 038 TK-023-12	
EQT 039 TK-174-19	
EQT 040 TK-8101	0.002
EQT 041 TK-8103	0.03
EQT 042 TK-ChemCK2	< 0.001
FUG 003 FE-CRK2	1.23

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

1,3-Butadiene: 0.07 tons/yr  
 2,2,4-Trimethylpentane: 0.07 tons/yr  
 Acetonitrile: 0.006 tons/yr  
 Ammonia: 3.16 tons/yr  
 Benzene: 1.42 tons/yr  
 Biphenyl: 0.27 tons/yr  
 Carbon disulfide: 0.002 tons/yr  
 Chlorobenzene: 0.002 tons/yr  
 Cresol: 0.15 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 29333-V0

Air - Title V Regular Permit Initial

### All phases

Cumene: 0.25 tons/yr  
Dichloromethane: 0.003 tons/yr  
Ethyl benzene: 1.36 tons/yr  
Hydrogen sulfide: 3.04 tons/yr  
Methanol: 1.51 tons/yr  
Methyl ethyl ketone: 0.18 tons/yr  
Methyl Isobutyl ketone: 0.001 tons/yr  
Methyl Tertiary Butyl Ether: 0.04 tons/yr  
n-Hexane: 5.54 tons/yr  
Naphthalene (and Methyl naphthalenes): 0.77 tons/yr  
Nickel (and compounds): 0.001 tons/yr  
Phenol: 0.21 tons/yr  
Phosphorus: 0.001 tons/yr  
Polynuclear Aromatic Hydrocarbons: 0.06 tons/yr  
Quinoline: 0.02 tons/yr  
Styrene: 0.12 tons/yr  
Sulfuric acid: 0.03 tons/yr  
Tetrachloroethylene: 0.002 tons/yr  
Toluene: 4.51 tons/yr  
Trichloroethylene: 0.001 tons/yr  
Xylene (mixed isomers): 5.64 tons/yr  
Zinc (and compounds): 0.001 tons/yr

### Emission Rates Notes:

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-Y0

Air - Title V Regular Permit Initial

### EQT028      37, Crude No. 2 Atmospheric Heater (F-7401)

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year   Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 3 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 4 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 5 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 6 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year   Statistical Basis: None specified
- 7 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year   Statistical Basis: None specified
- 8 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 9 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

### EQT029      43, No. 2 Crude Vacuum Heater (F-7601)

- 10 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year   Statistical Basis: None specified
- 11 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year   Statistical Basis: None specified
- 12 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 13 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER1996005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### **EQT029      43, No. 2 Crude Vacuum Heater (F-7601)**

- 14 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 15 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year      Statistical Basis: None specified
- 16 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year      Statistical Basis: None specified
- 17 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 18 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

### **EQT030      60, No. 2 Coker Heater (F-8101)**

- 19 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year      Statistical Basis: None specified
- 20 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year      Statistical Basis: None specified
- 21 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emissions testing. [LAC 33:III.501.C.6]
- 22 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 23 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 24 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year      Statistical Basis: None specified
- 25 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year      Statistical Basis: None specified
- 26 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### EQT030      60, No. 2 Coker Heater (F-8101)

27 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

### EQT031      65, No. 2 Crude Gas Oil Heater (F-7410)

28 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year    Statistical Basis: None specified

29 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year    Statistical Basis: None specified

30 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]  
31 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

32 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

33 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year    Statistical Basis: None specified

34 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year    Statistical Basis: None specified

35 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

36 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

### EQT032      83b, No. 2 Coker Coke Handling/Loading

37 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average

38 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

39 Emits Class III TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT. [LAC 33:III.5109.A]

### EQT033      C-7654, No. 2 Crude Spent Caustic Vessel Vent

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
Activity Number: PER1996005  
Permit Number: 2933-V0  
Air - Title V Regular Permit Initial

### EQT033 C-7654, No. 2 Crude Spent Caustic Vessel Vent

40 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 41 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33.III.2115.K]
- 42 Group 2: Compliance with all the applicable reporting and recordkeeping requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33.III.Chapter 51. [40 CFR 63.654, LAC 33.III.5109.A]

### EQT034 K-8104, No. 2 Coker Compressor Diesel Engine

43 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1101.B]

Which Months: All Year Statistical Basis: None specified

- 44 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average

### EQT035 TK-003-17, Chemical Tank 003-17

45 Equip with a submerged fill pipe. Compliance with this requirement is considered compliance with LAC 33.III.5109.A. [LAC 33.III.2103.A, LAC 33.III.5109.A]

46 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]

- 47 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2103.I.1 - 7, as applicable. [LAC 33.III.2103.I]
- 48 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]
- 49 Compliance with all the applicable requirements of LAC 33.III.2103 is considered compliance with all the applicable requirements of LAC 33.III.Chapter 51. [LAC 33.III.5109.A]

### EQT036 TK-003-22, Chemical Tank 003-22

48 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]

- 49 Compliance with all the applicable requirements of LAC 33.III.2103 is considered compliance with all the applicable requirements of LAC 33.III.2103.H.3]
- 50 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]
- 51 Emits Class I and Class II TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT. [LAC 33.III.5109.A]

### EQT037 TK-023-08, Chemical Tank 023-08

52 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]

- 53 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33.III.5109.A]
- 52 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]
- 53 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33.III.5109.A]

### EQT038 TK-023-12, Chemical Tank 023-12

52 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3-a-e. [LAC 33.III.2103.H.3]

- 53 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33.III.5109.A]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### **EQT039 TK-174-19, Chemical Tank 174-19**

- 54 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
55 Emits Class III toxic air pollutant. MACT does not apply. [LAC 33:III.5109.A]

### **EQT040 TK-8101, No. 2 Coker Cutting Water Tank**

- 56 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
57 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51.  
No additional control is required. [LAC 33:III.5109.A]  
58 Group 2: Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### **EQT041 TK-8103, No. 2 Coker Feed Tank**

- 59 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]  
Which Months: All Year Statistical Basis: None specified  
60 Equipped with a vapor loss control system, capable of collecting and routing the organic vapors to an activated carbon adsorption system. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]  
61 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]  
63 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51.  
[LAC 33:III.5109.A]  
64 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]  
65 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### **EQT042 TK-ChemCK2, Chemical Tank CK2**

- 66 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
67 Emits Class I and Class II TAP greater than the MER (facility wide) but the emissions from this source are negligible. No further control is required for MACT. [LAC 33:III.5109.A]

### **FUG003 FE-CRCK2, No. 2 Crude/Coker Fugitives**

- 68 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### **FUG003 FE-CRCK2, No. 2 Crude/Coker Fugitives**

- 69 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.501.C.6]
- 70 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.2121. [40 CFR 60.590-593, LAC 33:III.2121]
- 71 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as per approval letter dated March 24, 2005 by LDEQ. Subpart GGG. [40 CFR 60.592(a)]
- 72 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 73 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 74 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51 [40 CFR 63.640-655, LAC 33:III.5109.A]
- 75 Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
- 76 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
- 77 Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

### **GRP024 No. 2 Crude/Coker**

- 78 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 79 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 80 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 81 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 82 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 83 Control efficiency of VOC, Total  $\geq$  98 percent. The Steam Jet Ejectors and Mechanical Pumps shall be controlled by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as per the requirements of LAC 33:III.2115.I, J, and K. [LAC 33:III.2139]
- 84 Permittee shall, during process unit turnarounds, depressurize the processing units to VOC, Total  $\leq$  5 psig before venting to the atmosphere. The vapors during depressurizing shall be controlled as per the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as per LAC 33:III.2115.I, J, and K. [LAC 33:III.214.1]
- Which Months: All Year Statistical Basis: None specified
- 85 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### GRP024 No. 2 Crude/Coker

- 86 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 87 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 88 Particulate matter (10 microns or less) <= 23.14 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 89 Sulfur dioxide <= 60.52 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 90 Nitrogen oxides <= 159.20 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 91 Carbon monoxide <= 136.05 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 92 VOC, Total <= 309.48 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 93 1,3-Butadiene <= 0.07 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 94 2,2,4-Trimethylpentane <= 0.07 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 95 Acetonitrile <= 0.006 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 96 Benzene <= 1.42 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 97 Biphenyl <= 0.27 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 98 Carbon disulfide <= 0.002 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 99 Chlorobenzene <= 0.002 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 100 Cresol <= 0.15 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 101 Cumene <= 0.25 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 102 Ethyl benzene <= 1.36 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 103 Methanol <= 1.51 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 104 Methyl ethyl ketone <= 0.18 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 105 Methyl isobutyl ketone <= 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum

**GRP024**

**No. 2 Crude/Coker**

- 106 Methyl Tertiary Butyl Ether <= 0.04 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 107 n-Hexane <= 5.54 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 108 Naphthalene (and Methyl naphthalenes) <= 0.77 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 109 Phenol <= 0.21 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 110 Polynuclear Aromatic Hydrocarbons <= 0.06 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 111 Quinoline <= 0.02 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 112 Styrene <= 0.12 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 113 Toluene <= 4.51 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 114 Trichloroethylene <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 115 Xylene (mixed isomers) <= 5.64 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 116 Ammonia <= 3.16 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 117 Hydrogen sulfide <= 3.04 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 118 Dichloromethane <= 0.003 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 119 Nickel (and compounds) <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 120 Phosphorus <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 121 Sulfuric acid <= 0.03 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 122 Tetrachloroethylene <= 0.002 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 123 Zinc (and compounds) <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 124 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III Chapter 51 Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51 Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 125 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### GRP024 No. 2 Crude/Coker

- 126 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 127 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 128 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 129 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 130 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 131 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]
- 132 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 133 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 134 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 135 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 136 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 137 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 138 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

## **SPECIFIC REQUIREMENTS**

**AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery**

**Activity Number: PER19960005**

**Permit Number: 2933-V0**

**Air - Title V Regular Permit Initial**

### **GRP024 No. 2 Crude/Coker**

- 139 Obtain a permit modification in accordance with LAC 33:III.511.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 140 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A.]
- 141 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 142 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 143 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 144 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 145 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 146 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 147 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 148 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 149 Conduct performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation report. [LAC 33:III.5113.C.2]
- 150 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 152 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 153 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 154 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 155 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 156 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 157 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-Y0

Air - Title V Regular Permit Initial

### **GRP024 No. 2 Crude/Coker**

- 158 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 159 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 160 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 161 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 162 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 163 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 164 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 165 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 166 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 167 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 168 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]
- 169 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 170 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 171 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 172 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 173 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 174 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 175 Permittee shall comply with all the applicable requirements for the stack height as specified in LAC 33:III.921. [LAC 33:III.921]
- 176 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:III.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:III.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery  
Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### GRP024 No. 2 Crude/Coker

- 177 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33.III.929.A]
- 178 Until a settlement is reached with EPA and LDEQ on related air quality issues, the permittee shall operate all emission sources in compliance with the interim or permitted emission limitations, monitoring and reporting requirements contained in Appendix A of the Administrative Order on Consent dated May 25, 2005 in lieu of the emission limitations and associated requirements contained in Preventive Significant Deterioration Permit No. PSD-LA-199. Upon completion of a settlement on the related issues with EPA and LDEQ, the permittee shall, within three (3) months after issuance of all of the Part 70 permits for the entire refinery, submit an application to revise and update PSD-LA-199 to incorporate the settlement requirements in their entirety. [LAC 33.III.501.C.6, 40 CFR 52.21]
- 179 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 180 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 181 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 182 Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 183 Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 184 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 185 Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]
- 186 Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
- 187 Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 188 Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 189 Submit Notification of Compliance Status: Due within 150 days after the compliance dates specified in 40 CFR 63.640(h). Include the information specified in 40 CFR 63.654(f)(1) through (f)(5). Subpart CC. [40 CFR 63.654(f)]
- 190 Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 191 Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.6(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 192 Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 193 Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 194 Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 195 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 196 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - ExxonMobil Oil Corp - Chalmette Refinery

Activity Number: PER19960005

Permit Number: 2933-V0

Air - Title V Regular Permit Initial

### **GRP024 No. 2 Crude/Coker**

- 197 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 198 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 199 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 200 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82. Subpart F]